

Agricultural Waste Management

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Obrien County, Iowa

Map symbol and soil name	Pct. of map unit	Application of manure and food- processing waste		Application of sewage sludge		Disposal of wastewater by irrigation	
		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
26: Kennebec-----	95	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
27B: Terril-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
27C: Terril-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.91 0.02
31: Afton-----	95	Very limited Depth to saturated zone Flooding Leaching limitation Restricted permeability	1.00 0.60 0.50 0.30	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 1.00 0.22	Very limited Depth to saturated zone Flooding Restricted permeability	1.00 0.60 0.22
32: Spicer-----	90	Very limited Depth to saturated zone Leaching limitation Low adsorption	1.00 0.70 0.01	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone Low adsorption	1.00 0.01
72B: Estherville-----	95	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity Too steep for surface application	1.00 0.01
72D: Estherville-----	100	Very limited		Very limited		Very limited	

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73E: Salida-----	85	Filtering capacity	1.00	Filtering capacity	1.00	Too steep for surface application	1.00
		Slope	0.16	Slope	0.16	Filtering capacity	1.00
						Too steep for sprinkler application	0.39
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Droughty	1.00	Droughty	1.00	Too steep for surface application	1.00
		Slope	0.96	Slope	0.96	Droughty	1.00
		Leaching limitation	0.45			Too steep for sprinkler application	0.97
73F: Salida-----	95	Very limited Slope	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	1.00	Droughty	1.00	Too steep for sprinkler application	1.00
		Leaching limitation	0.45			Droughty	1.00
77B: Sac-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
77C2: Sac-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for sprinkler application	0.02
89B: Sac Variant-----	100	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
89C2: Sac Variant-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
91: Primghar-----	95	Not limited		Not limited		Not limited	
91B: Primghar-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.01
92: Marcus-----	90	Very limited Depth to saturated zone Leaching limitation Restricted permeability	1.00 0.70 0.30	Very limited Depth to saturated zone Restricted permeability	1.00 0.22	Very limited Depth to saturated zone Restricted permeability	1.00 0.22
133: Colo-----	95	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
202: Cylinder-----	90	Very limited		Very limited		Very limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
203: Cylinder-----	90	Filtering capacity	1.00	Filtering capacity	1.00	Filtering capacity	1.00
		Depth to saturated zone	0.43	Depth to saturated zone	0.43	Depth to saturated zone	0.43
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Depth to saturated zone	0.43	Depth to saturated zone	0.43	Depth to saturated zone	0.43
259: Biscay-----	95	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00	Very limited Depth to saturated zone	1.00
		Leaching limitation	0.70				
282: Ransom-----	95	Somewhat limited Restricted permeability	0.30	Somewhat limited Restricted permeability	0.22	Somewhat limited Restricted permeability	0.22
		Depth to saturated zone	0.02	Depth to saturated zone	0.02	Depth to saturated zone	0.02
310: Galva-----	90	Not limited		Not limited		Not limited	
310B: Galva-----	90	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
310C2: Galva-----	95	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
311: Galva-----	98	Not limited		Not limited		Not limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
311B: Galva-----	92	Not limited		Not limited		Somewhat limited Too steep for surface application	0.08
433D: Storden-----	95	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application Too steep for sprinkler application	1.00 0.77
433E: Storden-----	85	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
433F: Storden-----	95	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
433G: Storden-----	100	Very limited Slope	1.00	Very limited Slope	1.00	Very limited Too steep for surface application Too steep for sprinkler application	1.00 1.00
474B: Bolan-----	85	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
474C: Bolan-----	85	Very limited Filtering capacity Slope	1.00 0.16	Very limited Filtering capacity Slope	1.00 0.16	Too steep for surface application	0.08
						Very limited Too steep for surface application	1.00
						Filtering capacity Too steep for sprinkler application	1.00 0.39
485: Spillville-----	85	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
505: Sperry-----	100	Very limited Restricted permeability Depth to saturated zone Leaching limitation	1.00 1.00 0.50	Very limited Depth to saturated zone Restricted permeability	1.00 1.00	Very limited Depth to saturated zone	1.00
						Restricted permeability	1.00
577C2: Everly-----	85	Not limited		Not limited		Somewhat limited Too steep for surface application	0.91
						Too steep for sprinkler application	0.02
577D: Everly-----	85	Somewhat limited Slope	0.63	Somewhat limited Slope	0.63	Very limited Too steep for surface application	1.00
						Too steep for sprinkler application	0.77
639G: Storden-----	55	Very limited		Very limited		Very limited	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
Salida-----	40	Slope	1.00	Slope	1.00	Too steep for surface application	1.00
						Too steep for sprinkler application	1.00
		Very limited Slope	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
		Filtering capacity	1.00	Slope	1.00	Too steep for surface application	1.00
		Droughty	1.00	Droughty	1.00	Too steep for sprinkler application	1.00
708B: Fairhaven-----	85	Leaching limitation	0.45			Droughty	1.00
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
708C2: Fairhaven-----	95					Too steep for surface application	0.08
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
						Too steep for surface application	0.91
709: Fairhaven-----	95					Too steep for sprinkler application	0.02
		Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00
709B: Fairhaven-----	85	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00	Very limited Filtering capacity	1.00

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
						Too steep for surface application	0.08
733: Calco-----	100	Very limited Depth to saturated zone Leaching limitation Flooding	1.00 0.70 0.60	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding	1.00 0.60
785: Spillco-----	85	Somewhat limited Flooding	0.60	Very limited Flooding	1.00	Somewhat limited Flooding	0.60
878B: Ocheyedan-----	85	Somewhat limited Too acid	0.02	Somewhat limited Too acid	0.07	Somewhat limited Too steep for surface application Too acid	0.08 0.07
1658C: Terril-----	50	Not limited		Not limited		Somewhat limited Too steep for surface application Too steep for sprinkler application	0.66 0.01
Colo-----	45	Very limited Depth to saturated zone Flooding Leaching limitation	1.00 1.00 0.70	Very limited Depth to saturated zone Flooding	1.00 1.00	Very limited Depth to saturated zone Flooding Too steep for surface application	1.00 1.00 0.08
1785: Spillco-----	90	Very limited Flooding	1.00	Very limited Flooding	1.00	Very limited Flooding	1.00
5010: Pits-----	95	Not rated		Not rated		Not rated	

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		Rating class and limiting features	Value	Rating class and limiting features	Value	Rating class and limiting features	Value
5040: Orthents-----	90	Not rated		Not rated		Not rated	